

DT06 Rec'd PCT/PTO 2 5 FEB 2005
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) : YUKO NAKAMURA et al.
TITLE : PHOTOCATALYST MATERIAL
AND PROCESS FOR PRODUCING
THE SAME
FILED : Herewith
ATTORNEY DOCKET NO. : TOMI 200007
Cleveland, OH 44114
February 17, 2005

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicant(s) submit(s) the following Disclosure Statement concerning art of which the applicant(s) is (are) aware. A copy of PTO-1449 is enclosed herewith.

This Information Disclosure Statement shall not be construed to be an admission that any information referred to herein or submitted herewith is "prior art" or is considered to be material to patentability for this invention.

The United States Patent and Trademark Office OG Notice dated 12 October 2004 published a final rule revising 37 C.F.R. 1.98 dealing with the content of Disclosure Statements. Paragraph (a)(2) was revised to read in part, "A legible copy of: (i) Each foreign patent; (ii) Each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office." Therefore, Applicant(s) has (have) not enclosed copies of the cited U.S. patents and published patent applications with this Information Disclosure Statement.

In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

☐ Under § 1.98(a)(3), a concise explanation of relevance is required for information that is not in the English language. Accordingly, the English language documents have no further explanation.

☒ All of the cited and/or included documents were cited by the Japanese Patent Office in a related application(s). A copy of the Japanese Search Report is enclosed.

Consideration of the paragraph indicated below is respectfully requested:

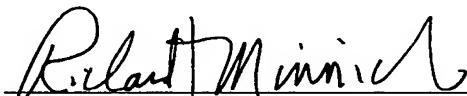
☒ **WITHIN THREE MONTHS OF FILING:** Under § 1.97(b)(1), this Information Disclosure Statement is being filed within three months of the filing date of the application (or date of entry of the national stage). Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308.

It is respectfully requested that the attached document(s) be considered and officially cited in examination of this application.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP

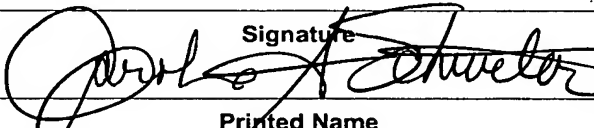
February 17, 2005
Date


Richard J. Minnich
Reg. No. 24,175
1100 Superior Avenue
Seventh Floor
Cleveland, OH 44114-2518
216/861-5582

CERTIFICATE OF MAILING

I certify that this Information Disclosure Statement and accompanying document(s) are being

- ☐ deposited with the United States Postal Service as First Class mail under 37 C.F.R. 1.8, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.
- ☐ transmitted to facsimile number under 37 C.F.R. 1.8 on the date indicated below.
- ☒ deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated below and is addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No.: EV 494996910 US	Signature 
Date February <u>25</u> , 2004	Printed Name Caroline A. Schweter

Substitute for Form 1449/PTO

COMPLETE IF P

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT(S)**

(Use as many sheets as necessary)

Application Number	To be Assigned
Filing Date	Filed Herewith 10/526245
First Named Inventor	YUKO NAKAMURA et al.
Art Unit	To be Assigned
Examiner Name	To be Assigned
Attorney Docket No.	TOMI 200007

Sheet 1 of 6

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	AA	US-		
	AB	US-		
	AC	US-		
	AD	US-		
	AE	US-		
	AF	US-		
	AG	US-		
	AH	US-		
	AI	US-		
	AJ	US-		
	AK	US-		
	AL	US-		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
	AM	JP 2003-093890	04/02/2003	Mitsubishi Heavy Industries, Ltd.	✓
	AN	JP 2003-299965	10/21/2003	Andesu Denki Kabushiki Kaisha	✓
	AO	JP 2002-320862	11/05/2002	Asahi Kasei Corp.	✓
	AP	JP 2003-024785	01/28/2003	Osaka-Shi	✓

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T
	AQ	International Search Report dated January 6, 2004 corresponding to International Application No. PCT/JP03/12058	
	AR		
	AS		
	AT		
	AU		
	AV		

Examiner
Signature

Date
Considered

Substitute for Form 1449/PTO

COMPLETE IF KNOWN

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT(S)**

(Use as many sheets as necessary)

Application Number

To be Assigned

10/526245

Filing Date

Filed Herewith

First Named Inventor

YUKO NAKAMURA et al.

Art Unit

To be Assigned

Examiner Name

To be Assigned

Sheet 2 of 6

Attorney Docket No.

TOMI 200007

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	BA	US-		
	BB	US-		
	BC	US-		
	BD	US-		
	BE	US-		
	BF	US-		
	BG	US-		
	BH	US-		
	BI	US-		
	BJ	US-		
	BK	US-		
	BL	US-		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
	BM	JP 2000-038686	02/08/2000	Nippon Steel Corp.	✓
	BN	JP 11-300215	11/02/1999	Nippon Steel Corp.	✓
	BO	JP 11-240722	09/07/1999	Mitsubishi Belting Ltd.	✓
	BP	JP 11-169726	06/29/1999	Toto Ltd.	✓

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
	BQ		
	BR		
	BS		
	BT		
	BU		
	BV		

Examiner
SignatureDate
Considered

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S) <i>(Use as many sheets as necessary)</i>	COMPLETE IF KNOWN 10/526245	
	Application Number	To be Assigned
	Filing Date	Filed Herewith
	First Named Inventor	YUKO NAKAMURA et al.
	Art Unit	To be Assigned
	Examiner Name	To be Assigned
Sheet 3 of 6	Attorney Docket No.	TOMI 200007

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	CA	US-		
	CB	US-		
	CC	US-		
	CD	US-		
	CE	US-		
	CF	US-		
	CG	US-		
	CH	US-		
	CI	US-		
	CJ	US-		
	CK	US-		
	CL	US-		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
	CM	JP 09-000939	01/07/1997	Toto Ltd.	✓
	CN	JP 08-131841	05/28/1996	Toto Ltd.	✓
	CO	JP 2001-246264	09/11/2001	Mitsubishi Heavy Industries, Ltd.	✓
	CP	JP 2000-237598	09/05/2000	KRI International, Inc.	✓

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T
	CQ		
	CR		
	CS		
	CT		
	CU		
	CV		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for Form 1449/PTO

COMPLETE IF KNOWN

10/526245

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT(S)**

(Use as many sheets as necessary)

Sheet 4 of 6

Application Number	To be Assigned
Filing Date	Filed Herewith
First Named Inventor	YUKO NAKAMURA et al.
Art Unit	To be Assigned
Examiner Name	To be Assigned
Attorney Docket No.	TOMI 200007

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	DA	US-		
	DB	US-		
	DC	US-		
	DD	US-		
	DE	US-		
	DF	US-		
	DG	US-		
	DH	US-		
	DI	US-		
	DJ	US-		
	DK	US-		
	DL	US-		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
	DM	JP 08-283022	10/29/1996	YKK Corp.	✓
	DN	JP 60-044053	03/08/1985	Toshida Corp.	✓
	DO	JP 2002-253975	09/10/2002	President of National College of Technology	✓
	DP	JP 2002-253964	09/10/2002	Andesu Denki Kabushiki Kaisha	✓
	DQ	JP 2002 080750	03/19/2002	Central Glass Co., Ltd.	✓

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T
	DR		
	DS		
	DT		
	DU		
	DV		

Examiner
SignatureDate
Considered

Substitute for Form 1449/PTO

COMPLETE IF KNOWN

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT(S)**

(Use as many sheets as necessary)

Application Number

To be Assigned

10/526245

Filing Date

Filed Herewith

First Named Inventor

YUKO NAKAMURA et al.

Art Unit

To be Assigned

Examiner Name

To be Assigned

Sheet 6 of 6

Attorney Docket No.

TOMI 200007

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	EA	US-		
	EB	US-		
	EC	US-		
	ED	US-		
	EE	US-		
	EF	US-		
	EG	US-		
	EH	US-		
	EI	US-		
	EJ	US-		
	EK	US-		
	EL	US-		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
		Country Code-Number Kind Code (if known)			
	EM	JP 08-266910	10/15/1996	Unknown	✓
	EN	JP 08-309204	11/26/1996	Unknown	✓
	EO	JP 09-057912	Unknown	Unknown	✓
	EP	JP 08-100378	04/16/1996	Unknown	✓
	EQ	JP 2000-288403	10/17/2000	Unknown	✓
	ER	JP 11-240722		Unknown	✓

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	ES		
	ET		
	EU		
	EV		

Examiner
SignatureDate
Considered